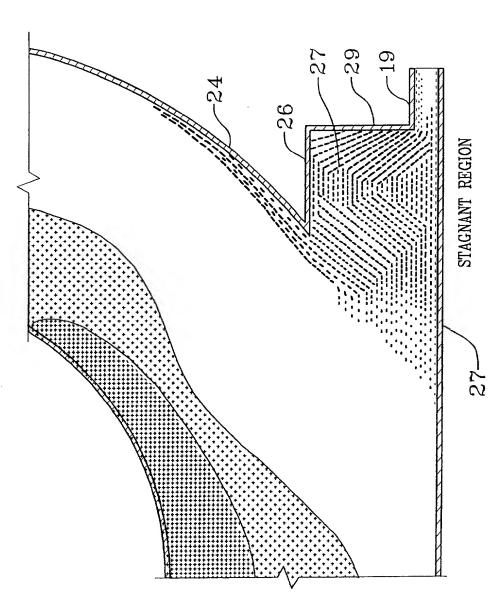


Fig. 2



POLYETHYLENE (PE) VAPOR PHASE VELOCITY MAGNITUDE PROFILES WITH 35 ft/sec INLET ZOOMED VIEW ILLUSTRATING STAGNANT REGION AT PIPE BOTTOM Fig.3

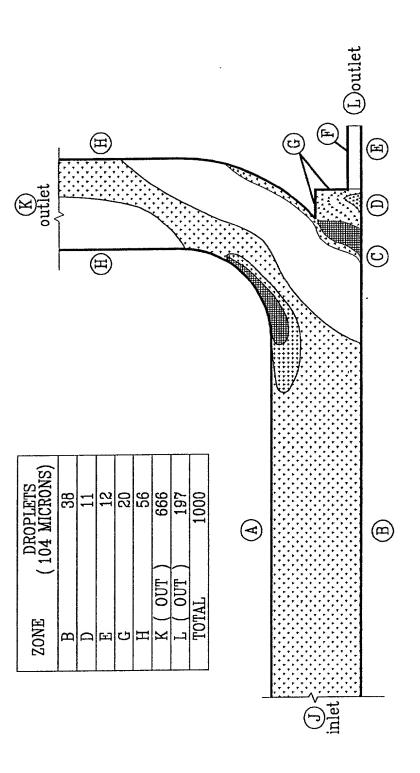


Fig.4 POLYETHYLENE (PE) VAPOR PHASE VELOCITY MAGNITUDE PROFILES WITH 35 ft/sec INLET WITH 104 Micron Liquid DROPLET DISTRIBUTION DATA

TYPICAL 10 DROPLET TRAJECTORY WITH 35 ft/sec INLET WITH LIQUID DROPLET DISTRIBUTION DATA

Fig.5

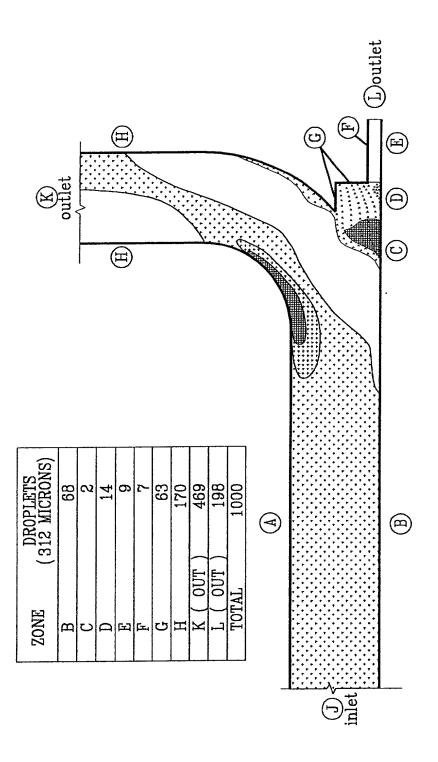


Fig.6 POLYETHYLENE (PE) VAPOR PHASE VELOCITY MAGNITUDE PROFILES WITH 55 ft/sec INLET WITH 312 Micron LIQUID DROPLET DISTRIBUTION DATA

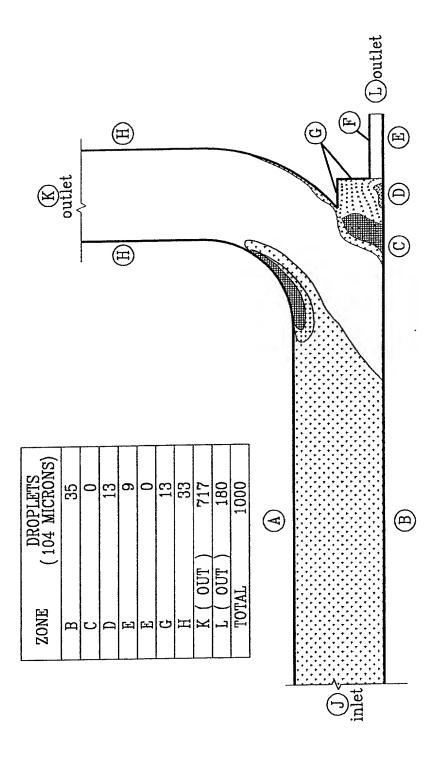


Fig. 7 POLYPROPYLENE (PP) VAPOR PHASE VELOCITY MAGNITUDE PROFILES WITH 25 ft/sec INLET WITH 104 Micron Liquid DROPLET DISTRIBUTION DATA

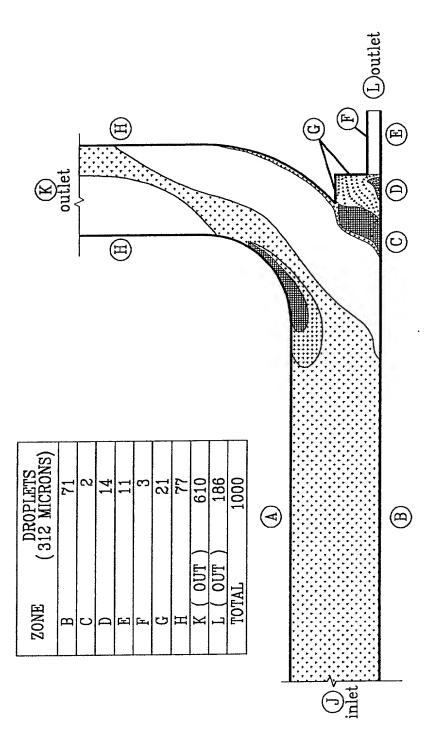
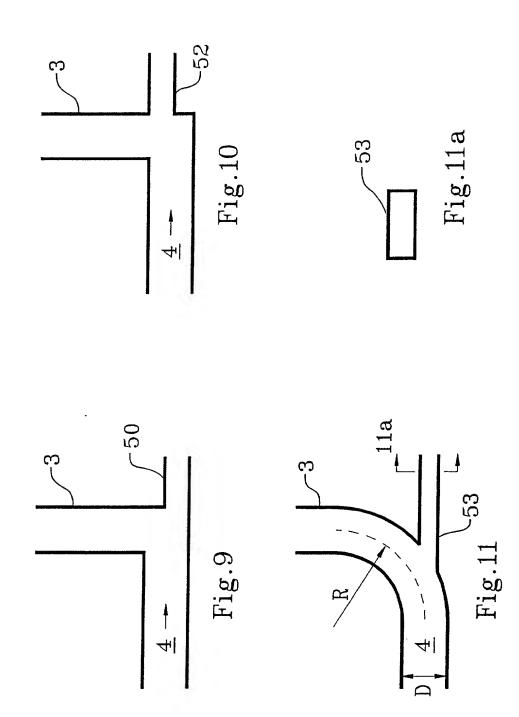
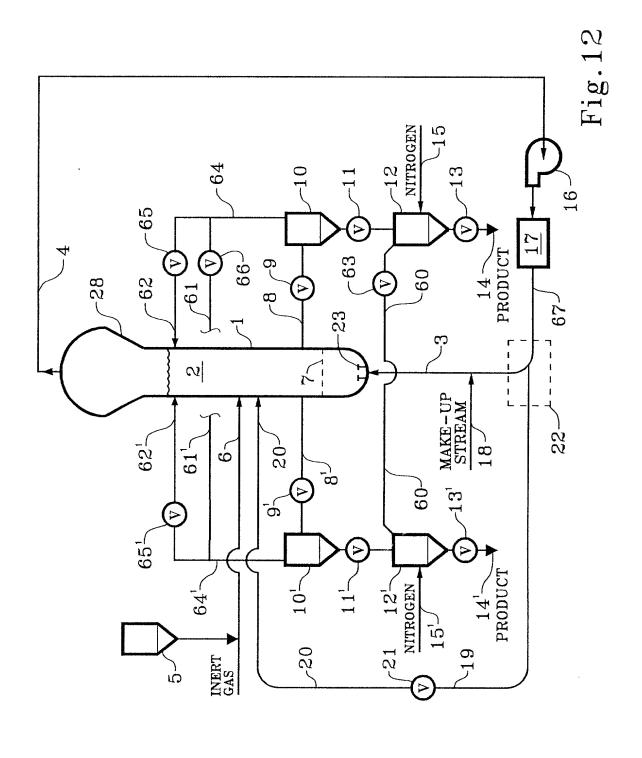
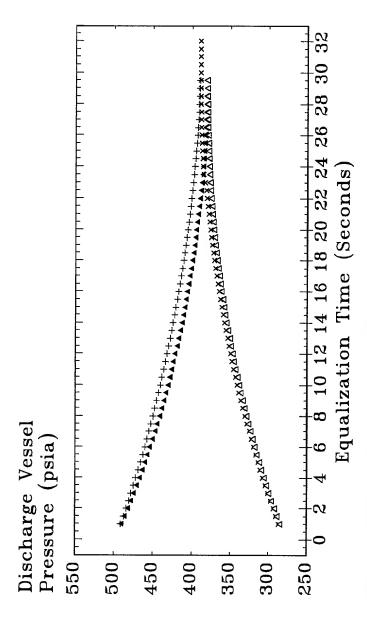


Fig.8 POLYPROPYLENE (PP) VAPOR PHASE VELOCITY MAGNITUDE PROFILES WITH 35 ft/sec INLET WITH 312 Micron LIQUID DROPLET DISTRIBUTION DATA







SEMI-BATCH DISCHARGE SYSTEM PRESSURE EQUALIZATION FOR DRY AND WET DISCHARGE EVENTS.

+ Wet Sink Conditions (psia)

× Wet Source Conditions(psia)

▶ Dry Source Conditions(psia)

▷ Dry Sink Conditions (psia)

Fig. 13